

REMARKS

Please reconsider the present application in view of the above amendments and the following remarks. Applicant thanks the Examiner for carefully considering this application.

Disposition of Claims

Claims 1-8 were are pending in this application. Claims 4-6 have been canceled without prejudice or disclaimer. Claims 7-8 are currently withdrawn from consideration. Thus, claims 1-3 are now pending in this application. Claims 1 and 2 are independent. Claim 3 depends from claim 2.

Claim Amendments

By way of this reply, claims 1 and 2 have been amended to clarify the claimed invention. Support for the amendments may be found, e.g., in paragraphs [0020]-[0021], [0025]-[0028], and Figs. 2 and 3 of the published application. No new matter has been added in these amendments.

Rejection(s) under 35 U.S.C. § 112

Claims 1-3 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement. Specifically, the Examiner states that claims 1 and 2 pertaining single means claims do not comply with the enablement requirement. As discussed above, independent claims 1 and 2 have been amended to clarify the claimed invention, and now clearly satisfy the requirement. Accordingly, withdrawal of the rejection is respectfully requested.

Rejection under 35 U.S.C. § 102

Claim 1 stands rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 7,010,032 ("Kikuchi"). As discussed above, claim 1 has been amended to clarify the claimed invention. Thus, to the extent that this rejection may still apply to the amended claim, the rejection is respectfully traversed for the reasons set forth below.

One or more embodiments of the claimed invention are directed to a signal generation device that generates a packet containing information obtained by encoding a video signal by using a video signal of vertical periods as a unit. Referring to the specification and figures as an example, in one or more embodiments of the claimed invention, when transmitting the header data of the encoded frame, the radio video transmission device generates a transport stream in which a start flag indicative of the header portion of the encoded frame is added to the header portion of the encoded frame, and transmits the transport stream as a transmission packet. The radio video transmission device sequentially adds to the transmission packet cyclical serial number information ranging from 0 to 15. Once the value of the serial number information reaches 15, the value of the serial number information for the next transmission packet is reset to 0. The radio video reception device extracts the serial number information from the received transmission packet. When the transmission packet is not received in the order of the serial numbers, the radio video reception device determines absence of the packet, and causes display of the video information included in the transmission packet which has been received previously (*See, e.g.*, Fig. 3 and paragraphs [0020]-[0021] of the published application).

Accordingly, claim 1 recites, in part, the limitations, “an encoder which encodes a video signal in units of a video signal *corresponding to a plurality of vertical periods*; and a transmitter which generates a packet including the encoded information and sends the packet after *adding serial number information indicating the order of transmission of the packet*.” Thus, the claimed invention requires *generating a packet including encoded information of a plurality of vertical period and adding serial information indicating the order of transmission of the packet*.

Due to the above features, the claimed invention is capable of efficiently suppressing image disturbance caused by a transmission error with a simple circuit structure.

In contrast, Kikuchi discloses a moving image coding apparatus which has coders (17, 18, 19) for dividing an input moving image signal into a plurality of frames.

However, as the Examiner has acknowledged with regard to the limitation of claim 2, Kikuchi fails to show or suggest at least any feature or logic of generating a packet including encoded information of a plurality of vertical periods (*See the last paragraph on page 5 of the pending Office Action*). Accordingly, Kikuchi necessarily fails to show or suggest, at least, the limitation, “*a transmitter which generates a packet including the encoded information and sends the packet after adding serial number information indicating the order of transmission of the packet*,” as required by amended claim 1.

In view of the above, independent claim 1, as amended, is patentable over Kikuchi, because Kikuchi fails to show or suggests all of the limitations of the claim. Accordingly, withdrawal of the rejection is respectfully requested.

Rejection(s) under 35 U.S.C. § 103

Claims 2-3 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Kikuchi in view of U.S. Patent No. 7,010,032 ("Taira"). By way of this reply, independent claim 2 has been amended to clarify the claimed invention. Thus, to the extent that this rejection may still apply to the amended claim, the rejection is respectfully traversed for the reasons set forth below.

Independent claim 2, as amended, recites, in part, "an encoder which encodes a video signal in units of a video signal corresponding to a plurality of vertical periods; and an adder which generates a packet including the encoded information and adds serial number information indicating the order of generation of the packet to the packet in the order in which the packet is generated."

Similar to amended independent claim 1, due to the above feature, as required by amended claim 2, the claimed invention is capable of efficiently suppressing image disturbance caused by a transmission error with a simple circuit structure.

In contrast, neither Kikuchi, nor Taira, shows or suggests, at least, the above limitations.

As discussed above, Kikuchi discloses a moving image coding apparatus which has coders (17, 18, 19) for dividing an input moving image signal into a plurality of frames. However, Kikuchi fails to show or suggest at least any feature or logic of generating a packet including encoded information of a plurality of vertical periods, as required by the claimed invention.

Taira discloses a method of reproducing and recording data from/on a large-capacity recording medium. Taira teaches that one item of blanking signal information (VBI: Video Blanking Information) is included in one packet. Taira also teaches employment of two types of blanking signals (horizontal and vertical blanking signals). However, Taira neither teaches, nor suggests, at least, any feature of “video signal encoded in units of a plurality of vertical periods,” as required by the claimed invention. Thus, Taira necessarily fails to show or suggest, at least, the feature of generating a packet including encoded information of a plurality of vertical periods, as required by the claimed invention.

Further, Applicant respectfully submit that the claimed invention is advantageous because of employment of logic of associating serial number information with the order of transmission for each of encoded packet of information including a plurality of vertical periods, so as to achieve capability of efficiently suppressing image disturbance caused by a transmission error with a simple circuit structure. In other words, the process for “generating encoded packet of information including a plurality of vertical periods and adding serial number information thereto,” as required by the claimed invention is an inseparably associated element. In contrast, whether, considered separately or in combination, Kikuchi and Taira completely lack such logic, as required by the claimed invention.

In view of the above, amended claim 2 is patentable over Kikuchi and Taira, because, whether, considered separately or in combination, the references fail to show or suggest all of the limitations of the claim. By virtue of its dependence, claim 3 is also patentable over Kikuchi

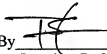
and Taira for at least the same reasons as independent claim 2. Accordingly, withdrawal of the rejection is respectfully requested.

Conclusion

Applicant believes this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 08228/096001).

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Respectfully submitted,

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